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LIST OF PUBLICATIONS OF INTEREST
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LIST OF PUBLICATIONS OF INTEREST TO
ARCHITECTS, BUILDERS, ENGINEERS, AND RETAIL LUMBERMEN¹

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FOREWORD

Scope.--This is a partial listing of literature available on the use of wood as a construction material, particularly as applied to houses and other light-frame construction. It includes publications that give general information and results of research by the U.S. Forest Service and other organizations.

One of the most useful references is the WOOD HANDBOOK, which was prepared as an aid to better and more efficient use of wood as a construction material. It is cited on page 10, but is currently being revised for reissue as a USDA Handbook.

¹--This supersedes the similar list of November 1968.

Sources of publications

- (1) U.S. Forest Products Laboratory.

Publications without an asterisk (*) are available for distribution from this Laboratory. Single copies may be obtained free upon request to the Director, Forest Products Laboratory, Madison, Wis. 53705

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Publications available elsewhere are marked with asterisks.

- (2) Superintendent of Documents, Government Printing Office, Washington, D. C. 20402. Send money order, draft, or cash; stamps or personal checks are not accepted.

- (3) Publishers.

- (4) Libraries may be the only available source for many trade journal articles and for publications out of print.

Symbols and abbreviations used.--For the sake of brevity, the following abbreviations have been used.

ASTM - American Society for Testing and Materials
(1916 Race St., Philadelphia, Pa. 19103).

FPL - Forest Products Laboratory.

FS - Forest Service.

GPO - Government Printing Office.

R&R - Reviewed and reaffirmed.

Rev. - Revised.

USDA - U.S. Department of Agriculture.

USFS - U.S. Forest Service.

BUILDINGS AND STRUCTURES

Title	Author	Publication and date
Lower housing costs through improved design and wood utilization.	Liska, J. A.	J. of Forestry. July 1970.
*Wood-frame house construction.	Anderson, L. O.	USDA Agr. Handb. No. 73. Rev. 1970. GPO, \$2.25.
Longtime performance of sandwich panels in Forest Products Laboratory experimental unit.	Sherwood, G. E.	USDA FS Res. Pap. FPL 144. 1970.
*Low-cost wood homes for rural America--Construction manual.	Anderson, L. O.	USDA Agr. Handb. No. 364. 1969. GPO, \$1.
*Designs for low-cost wood homes.	Anderson, L. O., & Zornig, H. F.	USDA FS unnumbered pub. 1969. GPO, 25¢.
Wood structures survive Hurricane Camille's winds.	Zornig, H. F., & Sherwood, G. E.	USDA FS Res. Pap. FPL 123. 1969.
Experimental pole-type structure--Initial evaluation.	Doyle, D. V.	USDA FS Res. Pap. FPL 115. 1969.
*Pole building design.	Patterson, Donald	Amer. Wood Preservers Inst., Washington, D.C. 1969.
House foundation of treated wood after 30 years' service.	Bendtsen, B. A., & Eslyn, W. E.	USDA FS Res. Pap. FPL 98. 1968.
Construction of Nu-frame research house.	Anderson, L. O.	USFS Res. Pap. FPL 88. 1968.
Houses can resist hurricanes.	Anderson, L. O., & Smith, W. R.	USFS Res. Pap. FPL 33. 1965.
A study of wind stresses in three typical pole building frames.	Parker, J. E.	USFS Res. Note FPL-049. 1964.

* Not available at Forest Products Laboratory.

BUILDINGS AND STRUCTURES (continued)

Title	Author	Publication and date
Increases in deflection and stresses caused by ponding of water on roofs.	Kuenzi, E. W., & Bohannan, B.	Forest Prod. J. May 1964.
Wood for use in bulk storage structures.	Wood, L. W.	USFS Res. Note FPL-041. 1964.
Wood structure performance in an earthquake in Anchorage, Alaska.	Anderson, L. O., & Liska, J. A.	USFS Res. Pap. FPL 16. 1964.
Built-up beams for light frame and pole construction.	Doyle, D. V.	FPL Rep. 2230. 1962.
Segmental rafters for gothic-roofed farm buildings.	FPL	FPL Tech. Note 261. 1958.
Performance of structural pole frames under test load.	Doyle, D. V.	FPL Rep. 2111. 1958.
*Building a log house.	Based on USDA Misc. Pub. 579.	Coop. Ext. Serv., Univ. of Alaska. Reprinted 1965. 25¢.

MATERIALS

Large glued-laminated beams with AITC 301A-69 grade tension laminations.	Moody, R. C., & Bohannan, B.	USDA FS Res. Pap. FPL 146. 1970.
Glued-laminated timber research at the Forest Products Laboratory.	Moody, R. C.	Forest Prod. J. Sept. 1970.
Particle board.	FPL	USFS Res. Note FPL-072. Rev. 1969.
Insulation board, hardboard, and particleboard.	Lewis, W. C.	FPL unnumbered pub. Provisional copy. 1967.
Selection and use of wood products for home and farm building.	Anderson, L. O.	USDA Agr. Inf. Bull. 311. 1967.
Flexural behavior of large glued-laminated beams.	Bohannan, B.	USFS Res. Pap. FPL 72. 1966.

* Not available at Forest Products Laboratory.

MATERIALS (continued)

Title	Author	Publication and date
Properties of southern pine in relation to strength grading of dimension lumber.	Doyle, D. V., & Markwardt, L. J.	USFS Res. Pap. FPL 64. 1966.
Selection and properties of woodworking glues.	FPL	USFS Res. Note FPL-0138. 1966.
Machine grading--Theory and practice.	Hilbrand, H. C., & Miller, D. G.	Forest Prod. J. Nov. 1966.
Insulating board, hardboard, and other structural fiberboards.	Lewis, W. C., & Schwartz, S. L.	USFS Res. Note FPL-077. 1965.
Paneling and flooring from low-grade hardwood logs.	Heebink, B. G., & Compton, K. C.	USFS Res. Note FPL-0122. 1966.
Derivation of fiber stresses from strength values of wood poles.	Wood, L. W., & Markwardt, L. J.	USFS Res. Pap. FPL 39. 1965.
Bending strength and stiffness of plywood.	FPL	USFS Res. Note FPL-059. 1964.
Overlays for lumber--an old product in a new dress.	Fleischer, H. O., & Heebink, B. G.	USFS Res. Note FPL-035. 1964.
Machine-graded lumber..out of the laboratory...into commercial trials.	Wood, L. W.	Forest Prod. J. Jan. 1964.
Importance of balanced construction in plastic-faced wood panels.	Heebink, B. G.	USFS Res. Note FPL-021. 1963.
How durable is particleboard? Part 1.	Hann, R. A., Black, J. M., & Blomquist, R. F.	Forest Prod. J. Dec. 1962.
Part 2. The effect of temperature and humidity.	Same authors as above.	Forest Prod. J. May 1963.
Paper overlaid lumber.	Heebink, B. G.	Forest Prod. J. Apr. 1961.

MATERIALS (continued)

Title	Author	Publication and Date
Estimating the weight of plywood.	FPL	FPL Tech. Note 260. 1956.
*Properties of insulating fiberboard sheathing.	Luxford, R. F.	FPL Rep. 2032. 1955. Out of print.
*Fabrication and design of glued laminated wood structural members.	Freas, A. D., & Selbo, M. L.	USDA Tech. Bull. 1069. 1954. Out of print.

COMPONENTS

Diaphragm action of diagonally sheathed wood panels.	Doyle, D. V.	USDA FS Res. Note FPL-0205. 1969.
Longtime performance of trussed rafters: Initial evaluation.	Wilkinson, T. L.	USFS Res. Pap. FPL 93. 1968.
Guides to improved framed walls for houses.	Anderson, L. O.	USFS Res. Pap. FPL 31. 1965.
Hollow-core flush doors.	FPL	FPL Rep. 1983. 1954. Rev. 1959. R&R 1965.
Stressed-skin panel performance after twenty-five years of service.	Heyer, O. C., & Blomquist, R. F.	USFS Res. Pap. FPL 18. 1964.
A study of the strength of short and intermediate wood columns by experimental and analytical methods.	Parker, J. E.	USFS Res. Note FPL-028. 1964.
Structural sandwich design criteria.	Kuenzi, E. W.	FPL Rep. 2161. 1959. Reprinted 1963.
Wood floors for dwellings.	FPL	USDA Agr. Handb. 204. 1961.
Structural sandwich construction.	FPL	Separate from Wood Handbook. USDA Agr. Handb. 72. 1955.

* Not available at Forest Products Laboratory.

JOINTS AND FASTENINGS

Title	Author	Publication and Date
Lateral and withdrawal resistance of tapping screws in three densities of wood.	Wilkinson, T. L., & Laatsch, T. R.	Forest Prod. J. July 1970.
Fatigue strength of finger joints.	Bohannan, B., & Kanvik, K. J.	USDA FS Res. Pap. FPL 114. 1969.
Moisture cycling of trussed rafter joints.	Wilkinson, T. L.	USFS Res. Pap. FPL 67. 1966.
Strength of wood joints made with nails, staples, or screws.	Scholten, J. A.	USFS Res. Note FPL-0100. 1965.
Nail-withdrawal resistance of American woods.	FPL	USFS Res. Note FPL-093. 1965.
Performance of nail-glued joints of plywood to solid wood.	Doyle, D. V.	USFS Res. Note FPL-042. 1964.
Nailing dense hardwoods.	FPL	USFS Res. Note FPL-037. 1964.
Performance of bolted joints in Douglas-fir.	Doyle, D. V., & Scholten, J. A.	USFS Res. Pap. FPL 2. 1963.
Strong joints + strong materials properly used = strong buildings.	Scholten, J. A.	FPL Tech. Note 262. 1962.
Spacing of sixpenny and eightpenny wire nails in Douglas-fir multi-nail joints.	Ramos, A. N., Jr.	FPL Rep. 2155. 1960.
General observations on the nailing of wood.	FPL	FPL Tech. Note 243. Rev. 1957.
Timber fastenings.	FPL	Separate from Wood Handbook. USDA Agr. Handb. 72. 1955.

INSULATION AND MOISTURE CONTROL

Title	Author	Publication and Date
Thermal insulation from wood for buildings: Effects of moisture and its control.	Lewis, W. C.	USDA FS Res. Pap. FPL 86. 1968.
Moisture distribution in wood-frame walls in winter.	Duff, J. E.	Forest Prod. J. Jan. 1968.
Thermal conductivity of wood-base fiber and particle panel materials.	Lewis, W. C.	USFS Res. Pap. FPL 77. 1967.
Condensation in farm buildings.	FPL	USFS Res. Note FPL-0114. 1966.
Effects of wood preservatives on electric moisture-meter readings.	James, W. L.	USFS Res. Note FPL-0106. 1966.
Study of temperature in wood parts of houses throughout the United States.	Heyer, O. C.	USFS Res. Note FPL-012. 1963.
Electric moisture meters for wood.	James, W. L.	USFS Res. Note FPL-08. 1963.
Remedial measures for building condensation difficulties.	FPL	FPL Rep. 1710. Rev. 1955. R&R 1962.

COATINGS AND FINISHES; PRESERVATION AND PROTECTION

Wood decay in houses. How to prevent and control it.	FS	USDA Home & Garden Bull. 73. Rev. 1970.
Treated wood foundations for buildings.	Gjovik, L. R., & Baechler, R. H.	Forest Prod. J. May 1970.
Wood finishing; Blistering, peeling, and cracking of house paints from moisture.	FPL	USDA FS Res. Note FPL-0125. 1970.
Forest Products Laboratory natural finish.	FPL	USFS Res. Note FPL-046. 1970.

COATINGS AND FINISHES; PRESERVATION AND PROTECTION (continued)

Title	Author	Publication and Date
Surface flammability of various wood-base building materials.	FPL	USFS Res. Note FPL-0186. 1968.
Water-repellent preservatives.	FPL	USFS Res. Note FPL-0124. 1968.
Factors influencing decay of untreated wood.	FPL	USFS Res. Note FPL-0154. 1967.
Comparative decay resistance of heartwood of native species:	FPL	USFS Res. Note FPL-0153. 1967.
Review of information related to the charring rate of wood.	Schaffer, E. L.	USFS Res. Note FPL-0145. 1966.
Weathering of wood.	FPL	USFS Res. Note FPL-0135. 1966.
Finishing exterior plywood.	FPL	USFS Res. Note FPL-0133. 1966.
Discoloration of house paints by water-soluble extractives in western redcedar and redwood.	FPL	USFS Res. Note FPL-0132. 1966.
Building decay associated with rain seepage.	Verrall, A. F.	USDA FS Tech. Bull. 1356. 1966.
Fire-retardant-treated wood.	Eickner, H. W.	ASTM J. of Materials. Sept. 1966.
Painting outside wood surfaces.	FPL	USFS Res. Note FPL-0123. 1966.
*Fire-retardant-treated wood framing--24-inch centers, nonbearing partition passes ASTM 1-hour fire test.	Degenkolb, J. G.	Wood Preserv. News. Dec. 1965.
*Corridor wall linings-- Effect on fire performance.	Schaffer, E. L., & Eickner, H. W.	Fire Technol. 1(4): 243-255. 1965.

* Not available at Forest Products Laboratory.

COATINGS AND FINISHES; PRESERVATION AND PROTECTION (continued)

Title	Author	Publication and Date
Fire research at the U.S. Forest Products Laboratory.	Eickner, H. W.	Fire Res. Abstr. Rev. 6(1): 17-23. 1964.
Some books and pamphlets on finishing of wood and furniture.	FPL	FPL Rep. 63-050. 1963.
Properties of softwoods that affect the performance of exterior paints.	Miniutti, V. P.	Official Digest. May 1963.
Water repellents improve performance of drop siding.	Anderson, L. O.	USFS Res. Pap. FPL 4. 1963.
On-site preservative treatments: Their effectiveness for exterior millwork of different species used in various climates.	Scheffer, T. C., Verrall, A. F., & Harvey, G.	Forest Prod. J. Jan. 1963.
What can be expected from treated wood in highway construction?	Blew, J. O., Jr.	FPL Rep. 2235. 1961.
Making log cabins endure.	FPL	FPL Rep. 982. Rev. 1960.
Fire-retarding treatments for wood.	Nat. Safety Council	Data Sheet 372. Rev. 1960. NSC, 425 N. Mich. Ave., Chicago, Ill.
Exudation of pitch and oils in wood.	Browne, F. L., & Rietz, R. C.	FPL Rep. 1735. 1959. R&R 1965.
Fire-test methods used in research at the Forest Products Laboratory.	FPL	FPL Rep. 1443. Rev. 1959. R&R 1965.
Fire-resistance tests of solid wood flush doors.	Miniutti, V. P.	Forest Prod. J. Apr. 1958.
Wood siding, how to install it, paint it, care for it.	FPL	USDA Home & Garden Bull. 52. 1956.
*Wood preservation: Treating practices.		Fed. Spec. TT-W-571. Latest issue. GPO.

* Not available at Forest Products Laboratory.

MISCELLANEOUS

Title	Author	Publication and Date
*Span tables for joists and rafters.	: National Forest Products Assoc.	: NFPA, Washington, D.C. 1970.
Moisture content of laminated timbers.	: Hann, R. A., : Oviatt, A. E., : Markstrom, D. M., & : Duff, J. E.	: USDA FS Res. Pap. FPL 149. 1970.
Acoustical absorption properties of wood-base panel materials.	: Godshall, W. D., & : Davis, J. H.	: USDA FS Res. Pap. FPL 104. 1969.
Standard terms for describing wood.	: FPL	: USFS Res. Note FPL-0171. 1967.
*Timber construction manual.	: American Institute of Timber Construction	: Wiley & Sons, New York. 1966.
Differences between heartwood and sapwood.	: FPL	: USFS Res. Note FPL-0147. 1966.
Prestressed laminated wood beams.	: Bohannon, B.	: USFS Res. Pap. FPL 8. 1964.
Comparative strength of air-dried and kiln-dried wood.	: FPL	: USFS Res. Note FPL-055. 1964.
Wood scaffold planks.	: FPL	: FPL Tech. Note 264. 1962.
Machining and related characteristics of United States hardwoods.	: Davis, E. M.	: USDA Tech. Bull. 1267. 1962. GPO.
The factor of safety in design of timber structures.	: Wood, L. W.	: Trans. Amer. Soc. Civil Eng. Pap. 3051. Vol. 125. 1960.
*Wood: Colors and kinds.	: FPL	: USDA Agr. Handb. 101. 1956. GPO, 50¢.
The influence of rate of loading on the strength of wood and wood-base materials.	: Markwardt, L. J., & : Liska, J. A.	: Reprint from ASTM Symp. on Speed of Testing, pp. 3-18. 1956.

* Not available at Forest Products Laboratory.

MISCELLANEOUS (continued)

Title	Author	Publication and Date
*Wood handbook.	FPL	USDA Agr. Handb. 72. 1955. GPO. (Under revision)
Weights of various woods grown in the United States.	FPL	FPL Tech. Note 218. Rev. 1953.
Moisture content of wood in use.	Peck, E. C.	FPL Rep. 1655. 1947. R&R 1961.
*Minimum property standards for one and two living units.	Federal Housing Administration	FHA No. 300. GPO. Latest issue.
*Minimum property standards for multifamily housing.	Federal Housing Administration	FHA No. 2600. GPO. Latest issue.
*National design specifica- tion for stress-grade lumber and its fastenings.	National Forest Products Assoc.	NFPA, Washington, D.C. Latest issue. 50¢.
*Structural glued laminated timber.	U.S. Dept. of Commerce	U.S. Commercial Stand- ard CS 253. GPO. Latest issue. 15¢.

* Not available at Forest Products Laboratory.



